

Product datasheet for SC331034

RIT2 (NM_001272077) Human Untagged Clone

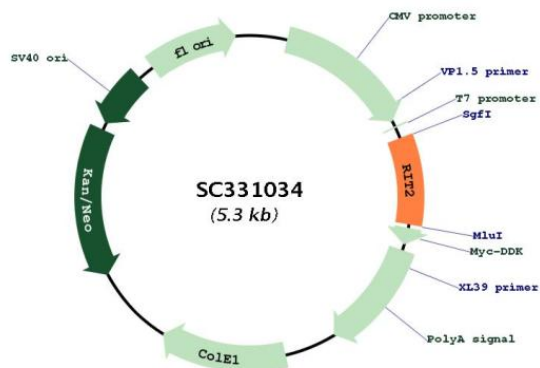
Product data:

Product Type:	Expression Plasmids
Product Name:	RIT2 (NM_001272077) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIT2
Synonyms:	RIBA; RIN; ROC2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331034 representing NM_001272077. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGGTAGAAAATGAAGCCAGCTGCTCCCCGGGCAGCGCATCAGGCGGGTCCAGAGAGTACAAGGTG
GTAATGCTGGGAGCAGGGGGAGTTGGTAAAAGCGCAATGACAATGCAGTTTATTAGTCATCAGTTCCT
GATTATCATGACCCTACTATAGAAGATGCTTATAAGACCCAGGTCAGGATTGACAATGAGCCAGCTTAC
TTGGACATCTTGGACACTGCTGGCCAGGCAGAATTCACAGCCATGCGGGAGCAGTACATGCGAGGTGGG
GAAGGCTTCATCATCTGCTACTCCGTCCTGACCGTCAATCATTTAGGAGGCTGCCAAGTTTAAAGAG
CTCATTTTTCAGGTCGCCACACCTATGAAATTCCTGCTGCTGGTGGGTAACAAAATTGATCTGGAA
CAGTTCGCCAGCCTACACTGAAAGAGTTTGAAGGGAAGAATTC TGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001272077
Insert Size:	462 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001272077.1</u>
RefSeq Size:	1166 bp
RefSeq ORF:	462 bp
Locus ID:	6014
UniProt ID:	<u>Q99578</u>
Cytogenetics:	18q12.3
MW:	17.3 kDa
Gene Summary:	<p>RIN belongs to the RAS (HRAS; MIM 190020) superfamily of small GTPases (Shao et al., 1999 [PubMed 10545207]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) contains an alternate internal exon in the 3' coding region which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>